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## **BEST AVAILABLE IMAGES**

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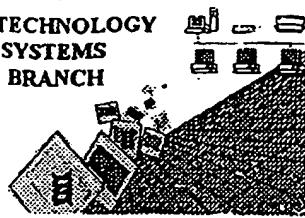
- BLACK BORDERS
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BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/750,939  
Source: TFWD  
Date Processed by STIC: 01/14/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EPS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>101750,939</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS).text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>1-9, 12-15, 17-20</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



I hereby Certify that this Correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to:  
Mail Stop Missing Parts, Assistant Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450  
on March 24, 2004.

Michael Culotta  
  
Signature  
March 24, 2004  
Date of Signature

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: The Research Foundation of the State of New York

U.S. Application No.: 10/750,939

Filed: January 2, 2004

For: Novel Inhibitors of Poxvirus Replication

### LETTER

Mail Stop Missing Parts  
Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acids Sequence Disclosures mailed March 17, 2004, please find herewith a corrected sequence listing in Paper Copy and Computer Readable Form. Applicant declares that the Paper Copy of the Sequence Listing and the Computer Readable Copy enclosed herewith are the same and no new matter has been added. Please enter the paper copy.

The Computer Readable copy enclosed herein has been checked with Checker version 3.1 software.

Respectfully Submitted,



John D. Lopinski  
Reg. No. 50,486

Hodgson Russ LLP  
One M&T Plaza, Suite 2000  
Buffalo, NY 14203-2391  
(716) 848-1628  
Dated: March 24, 2004

BFLODOCS 910292v1 (J\$DW01!.DOC)



IEWO

**RAW SEQUENCE LISTING** DATE: 01/14/2004  
**PATENT APPLICATION:** US/10/750,939 **TIME:** 11:00:18

Input Set : A:\niles non-provisional-US.txt  
Output Set: N:\CRF4\01142004\J750939.raw

3 <110> APPLICANT: Niles, Edward  
5 <120> TITLE OF INVENTION: Novel Inhibitors of Poxvirus Replication  
7 <130> FILE REFERENCE: 11520.0333  
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/750,939  
10 <141> CURRENT FILING DATE: 2004-01-02  
12 <150> PRIOR APPLICATION NUMBER: US/60/437,945  
13 <151> PRIOR FILING DATE: 2003-01-02  
15 <160> NUMBER OF SEQ ID NOS: 20  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 7  
19 <212> TYPE: RNA  
20 <213> ORGANISM: Artificial Sequence  
22 <220> FEATURE:  
23 <221> NAME/KEY: unsure  
24 <222> LOCATION: 6  
25 <223> OTHER INFORMATION: n is g,a,u or c  
27 <400> SEQUENCE: 1

Does Not Constitute Prior Art  
Please explain, s  
11 on error summary

W--> 28 սպազմն 7  
30 <210> SEQ ID NO: 2  
31 <211> LENGTH: 7

31 <211> LENGTH: /  
32 <212> TYPE: DNA  
33 <213> ORGANISM: artificial sequence  
35 <220> FEATURE:  
36 <223> OTHER INFORMATION:

W--> 38 <400> 2

39 tttttttt 7  
42 <210> SEQ ID NO: 3  
43 <211> LENGTH: 22  
44 <212> TYPE: RNA  
45 <213> ORGANISM: artificial sequence  
47 <220> FEATURE:  
48 <221> NAME/KEY: unsure  
49 <222> LOCATION: 14  
50 <223> OTHER INFORMATION: n is g,a,u or c  
52 <400> SEQUENCE: 3

56 <210> SEQ ID NO: 4  
57 <211> LENGTH: 22

58 <212> TYPE: RNA  
59 <213> ORGANISM: artificial sequence

61 <220> FEATURE:

62 <223> OTHER INFORMATION:

W--> 64 <400> 4

- same error

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/750,939

DATE: 01/14/2004  
TIME: 11:00:18

Input Set : A:\niles non-provisional-US.txt  
Output Set: N:\CRF4\01142004\J750939.raw

65 gggccggcaa uuauuaugcg uu 22  
68 <210> SEQ ID NO: 5  
69 <211> LENGTH: 36  
70 <212> TYPE: RNA  
71 <213> ORGANISM: artificial sequence  
73 <220> FEATURE:  
74 <221> NAME/KEY: unsure  
75 <222> LOCATION: 23  
76 <223> OTHER INFORMATION: n is g,a,u or c  
78 <400> SEQUENCE: 5

W--> 79 gggcgaauug ggccggcuuu uuuuuugcgu ugaauu 36

82 <210> SEQ ID NO: 6  
83 <211> LENGTH: 36

84 <212> TYPE: RNA  
85 <213> ORGANISM: artificial sequence

87 <220> FEATURE:  
W--> 88 <221> NAME/KEY:

89 <222> LOCATION:  
90 <223> OTHER INFORMATION: uracils at 8,9,18-26, 30, 31, 35 and 36 are brominated

92 <400> SEQUENCE: 6

93 gggcgaauug ggccggcuuu uuuuuugcgu ugaauu 36

95 <210> SEQ ID NO: 7

96 <211> LENGTH: 27

97 <212> TYPE: DNA

98 <213> ORGANISM: artificial sequence

100 <220> FEATURE:

101 <223> OTHER INFORMATION:

W--> 103 <400> 7

104 aatggggccg gctttttttt tgcgttg 27

107 <210> SEQ ID NO: 8

108 <211> LENGTH: 22

109 <212> TYPE: DNA

110 <213> ORGANISM: artificial sequence

112 <220> FEATURE:

W--> 113 <221> NAME/KEY:

114 <222> LOCATION:

115 <223> OTHER INFORMATION: 9-17 is deoxyuracil

117 <400> SEQUENCE: 8

118 gggccggcuu uuuuuuuugcgu uu 22

121 <210> SEQ ID NO: 9

122 <211> LENGTH: 22

123 <212> TYPE: RNA

124 <213> ORGANISM: artificial sequence

126 <220> FEATURE:

W--> 127 <221> NAME/KEY:

128 <222> LOCATION:

129 <223> OTHER INFORMATION: 19-17 is brominated deoxyuracil

131 <400> SEQUENCE: 9

132 gggccggcuu uuuuuuuugcgu uu 22

please explain, same error

SAME ERROR

SAME ERROR

SAME ERROR

SAME ERROR

RAW SEQUENCE LISTING DATE: 01/14/2004  
 PATENT APPLICATION: US/10/750,939 TIME: 11:00:18

Input Set : A:\niles non-provisional-US.txt  
 Output Set: N:\CRF4\01142004\J750939.raw

```

134 <210> SEQ ID NO: 10
135 <211> LENGTH: 22
136 <212> TYPE: DNA
137 <213> ORGANISM: artificial sequence
139 <220> FEATURE:
W--> 140 <221> NAME/KEY:
141 <222> LOCATION:
142 <223> OTHER INFORMATION: T5NT
144 <400> SEQUENCE: 10
145 gggccggctt ttttttgcg uu 22
148 <210> SEQ ID NO: 11
149 <211> LENGTH: 22
150 <212> TYPE: DNA
151 <213> ORGANISM: artificial sequence
153 <220> FEATURE:
W--> 154 <221> NAME/KEY:
155 <222> LOCATION:
156 <223> OTHER INFORMATION: mutant T5NT
158 <400> SEQUENCE: 11
159 gggccggcaa ttattatgcg tt 22
161 <210> SEQ ID NO: 12
162 <211> LENGTH: 17
163 <212> TYPE: RNA
164 <213> ORGANISM: artificial sequence SAME error
166 <220> FEATURE:
167 <221> NAME/KEY: unsure
168 <222> LOCATION: 10
169 <223> OTHER INFORMATION: n is a,g,u or c
171 <400> SEQUENCE: 12
W--> 172 cggcuuuun uuugcgu 17
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 13
176 <212> TYPE: RNA
177 <213> ORGANISM: artificial sequence SAME error
179 <220> FEATURE:
180 <221> NAME/KEY: unsure
181 <222> LOCATION: 8
182 <223> OTHER INFORMATION: n is a,g, u or c
184 <400> SEQUENCE: 13
W--> 185 gcuuuuunuu ugc 13
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 9
190 <212> TYPE: RNA
191 <213> ORGANISM: artificial sequence SAME error
193 <220> FEATURE:
194 <221> NAME/KEY: unsure
195 <222> LOCATION: 7 - there is a u at this location.
196 <223> OTHER INFORMATION: n is a,g,u or c
198 <400> SEQUENCE: 14

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/750,939

DATE: 01/14/2004

TIME: 11:00:18

Input Set : A:\niles non-provisional-US.txt  
Output Set: N:\CRF4\01142004\J750939.raw

W--> 199 uuuuuuuuu 9  
 202 <210> SEQ ID NO: 15  
 203 <211> LENGTH: 7  
 204 <212> TYPE: RNA  
 205 <213> ORGANISM: artificial sequence  
 207 <220> FEATURE:  
 208 <221> NAME/KEY: unsure  
 209 <222> LOCATION: 6  
 210 <223> OTHER INFORMATION: n is a,g,u or c  
 212 <400> SEQUENCE: 15

W--> 213 uuuuuuu 7  
 216 <210> SEQ ID NO: 16  
 217 <211> LENGTH: 7  
 218 <212> TYPE: RNA  
 219 <213> ORGANISM: artificial sequence  
 221 <220> FEATURE:

W--> 222 <221> NAME/KEY:  
 223 <222> LOCATION:  
 224 <223> OTHER INFORMATION: mutant 7-mer  
 226 <400> SEQUENCE: 16

227 uuuuuau 7  
 229 <210> SEQ ID NO: 17  
 230 <211> LENGTH: 22  
 231 <212> TYPE: DNA  
 232 <213> ORGANISM: artificial sequence  
 234 <220> FEATURE:  
 235 <221> NAME/KEY: unsure  
 236 <222> LOCATION: 14  
 237 <223> OTHER INFORMATION: n is g,a,u or c; 1-8 and 18-22 are DNA?

W--> 240 gggccggcuu uuunuuugcg uu 22  
 242 <210> SEQ ID NO: 18  
 243 <211> LENGTH: 22  
 244 <212> TYPE: RNA  
 245 <213> ORGANISM: artificial sequence  
 247 <220> FEATURE:  
 248 <221> NAME/KEY: unsure  
 249 <222> LOCATION: 14  
 250 <223> OTHER INFORMATION: n is g,a,u or c; 1-8 and 18-22 are 2'O methylated; 1-8 and

17-22 have phosphorthiol bonds

252 <400> SEQUENCE: 18

W--> 253 gggccggcuu uuunuuugcg uu 22

255 <210> SEQ ID NO: 19

256 <211> LENGTH: 22

257 <212> TYPE: DNA

258 <213> ORGANISM: artificial sequence

260 <220> FEATURE:

261 <221> NAME/KEY: unsure

262 <222> LOCATION: 14

263 <223> OTHER INFORMATION: n is g,a,u or c; 1-8 and 18-22 are phosphorthiols; 9-17 are

same error

FYI: u's are at  
locations 21 and 22

same error

same error

? is it?

RNA

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/750,939

DATE: 01/14/2004  
TIME: 11:00:18

Input Set : A:\niles non-provisional-US.txt  
Output Set: N:\CRF4\01142004\J750939.raw

265 <400> SEQUENCE: 19  
W--> 266 gggccggcuu uuunuuugcg uu 22  
268 <210> SEQ ID NO: 20  
269 <211> LENGTH: 7  
270 <212> TYPE: RNA  
271 <213> ORGANISM: artificial sequence  
273 <220> FEATURE:  
274 <223> OTHER INFORMATION: SAME ERROR  
W--> 276 <400> 20  
277 uuuuuauu 7

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/750,939

DATE: 01/14/2004  
TIME: 11:00:19

Input Set : A:\niles non-provisional-US.txt  
Output Set: N:\CRF4\01142004\J750939.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6 ✓  
Seq#:3; N Pos. 14 ✓  
Seq#:5; N Pos. 23 ✓  
Seq#:12; N Pos. 10 ✓  
Seq#:13; N Pos. 8 ✓  
Seq#:14; N Pos. 6 ✓  
Seq#:15; N Pos. 6 ✓  
Seq#:17; N Pos. 14 ✓  
Seq#:18; N Pos. 14 ✓  
Seq#:19; N Pos. 14 ✓

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:18; Line(s) 250

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/750,939

DATE: 01/14/2004

TIME: 11:00:19

Input Set : A:\niles non-provisional-US.txt

Output Set: N:\CRF4\01142004\J750939.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number  
L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:38 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2, Line#:36  
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:64 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4, Line#:62  
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:88 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:103 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7, Line#:101  
L:113 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8  
L:127 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9  
L:140 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10  
L:154 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11  
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:222 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:276 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:20, Line#:274



niles non-provisional-US.txt

SEQUENCE LISTING

<110> Niles, Edward

<120> Novel Inhibitors of Poxvirus Replication

<130> 11520.0333

<140> US 10/750,939

<141> 2004-01-02

<150> US/60/437,945

<151> 2003-01-02

<160> 20

<210> 1

<211> 7

<212> RNA

<213> Artificial Sequence

<220>

<221> unsure

<222> 6

<223> pox virus; n is g,a,u or c

<400> 1

uuuuunu 7

<210> 2

<211> 7

<212> DNA

<213> artificial sequence

<220>

<223> nascent pox virus termination signal

<400> 2

ttttttt 7

<210> 3

<211> 22

<212> RNA

<213> artificial sequence

<220>

<221> unsure

niles non-provisional-US.txt

<222> 14  
<223> U5NU-22-mer oligo; n is g,a,u or c

<400> 3  
ggccggcuu uuunuuugcg uu 22

<210> 4  
<211> 22  
<212> RNA  
<213> artificial sequence

<220>  
<223> mutant- 22-mer oligo

<400> 4  
ggccggcaa uuauuaugcg uu 22

<210> 5  
<211> 36  
<212> RNA  
<213> artificial sequence

<220>  
<221> unsure  
<222> 23  
<223> pGEM-U5NU-36-mer oligo n is g,a,u or c

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ggcgaaauug ggccggcuuu uunuuugcgu ugaauu 36

<210> 6  
<211> 36  
<212> RNA  
<213> artificial sequence

<220>  
<221>  
<222>  
<223> pGEM-Br-U5NU-36-mer; uracils at 8,9,18-26, 30, 31, 35 and 36 are brominated

<400> 6  
ggcgaaauug ggccggcuuu uuuuuuugcgu ugaauu 36

<210> 7

niles non-provisional-US.txt

<211> 27  
<212> DNA  
<213> artificial sequence

<220>  
<223> transcription template plasmid oilgo

<400> 7  
aattgggccc gctttttt tgcgttg 27

<210> 8  
<211> 22  
<212> DNA  
<213> artificial sequence

<220>  
<221>  
<222>  
<223> dU5NdU oligo; 9-17 is deoxyuracil

<400> 8  
gggccggcuu uuuuuuuugcg uu 22

<210> 9  
<211> 22  
<212> RNA  
<213> artificial sequence

<220>  
<221>  
<222>  
<223> BrdU5NdU oligo; 19-17 is brominated deoxyuracil

<400> 9  
gggccggcuu uuuuuuuugcg uu 22

<210> 10  
<211> 22  
<212> DNA  
<213> artificial sequence

<220>  
<221>  
<222>  
<223> T5NT

niles non-provisional-US.txt

<400> 10  
ggccggctt ttttttgcg uu 22

<210> 11  
<211> 22  
<212> DNA  
<213> artificial sequence

<220>  
<221>  
<222>  
<223> mutant T5NT

<400> 11  
ggccggcaa ttattatgcg tt 22

<210> 12  
<211> 17  
<212> RNA  
<213> artificial sequence

<220>  
<221> unsure  
<222> 10  
<223> U5NU 17-mer oligo; n is a,g,u or c

<400> 12  
cggcuuuuun uuugcgu 17

<210> 13  
<211> 13  
<212> RNA  
<213> artificial sequence

<220>  
<221> unsure  
<222> 8  
<223> U5NU-13-mer oligo; n is a,g, u or c

<400> 13  
gcuuuuunuu ugc 13

<210> 14  
<211> 9  
<212> RNA  
<213> artificial sequence

niles non-provisional-US.txt

<220>  
<221> unsure  
<222> 7  
<223> U5NU-9-mer oligo; n is a,g,u or c

<400> 14  
uuuuunuuu 9

<210> 15  
<211> 7  
<212> RNA  
<213> artificial sequence

<220>  
<221> unsure  
<222> 6  
<223> U5NU-7-mer oligo; n is a,g,u or c

<400> 15  
uuuuunu 7

<210> 16  
<211> 7  
<212> RNA  
<213> artificial sequence

<220>  
<221>  
<222>  
<223> mutant 7-mer

<400> 16  
uuuuuau 7

<210> 17  
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